

**MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT  
QUARTERLY PROGRESS REPORT  
STATE LEAD SITE**

EPA Region 5 Records Ctr.



274094

**Reporting Period:** FY97, Q1

**Site name:** North Bronson Industrial Area (1C)

**CA #:** V005934-01

**Activity:** RI/FS

**Budget period ends:** 6/01/97

**WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:  
(PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD, CORRECTIVE MEASURES  
TAKEN OR PLANNED) IDENTIFY BY TASK NAME AND NUMBER:**

Task 5: Phase II Remedial Investigation

Task complete December 1991.

Task 6: Remedial Investigation Report

Task complete July 1993.

Task 7: Baseline Risk Assessment

Task complete July 1993.

Task 8: Alternatives Array

Task complete September 1994.

Task 9: Feasibility Study

The MDEQ project manager prepared and forwarded the second draft of FS revisions to the MDEQ toxicologist and the EPA for review. Comments on the draft FS were received and incorporated into the final draft of this document by the MDEQ project manager. The MDEQ also received a draft constructed wetland alternative from Robert Kadlec Ph.D. The draft alternative screening document was provided to the EPA and the MDEQ Design and O&M unit for review and comment. Comments received from EPA and MDEQ staff prompted an MDEQ sponsored site visit with Dr. Kadlec, representatives from EPA, MDEQ Design/O&M unit, the PRPs and the city of North Bronson. The site visit included a technical briefing and a question and answer session conducted by Dr. Kadlec and MDEQ about the wetland and its potential use at Bronson. At the briefing MDEQ and EPA decided to have Dr. Kadlec prepare three conceptual wetland designs for the site. Each design would address three different treatment scenarios. Each scenario would be based on the amount of water the wetland would have to treat and the desired treatment efficiencies. Each wetland alternative will be included in the final revised FS and will provide enough information to proceed with a proposed plan.

The MDEQ sub-contracted Dr. Kadlec through Malcolm Pirnie. The original contract and scope of work which Dr. Kadlec completed, was not to exceed \$5,000. Another \$5,000 will be required for the additional

**Mullet-Site Cooperative Agreement V005934 North Bronson Industrial Area**

work requested by EPA and MDEQ for Dr. Kadlec. A new scope of work will be prepared by MDEQ and administered by Malcolm Pirnie.

The EPA has selected the city of Bronson as a pilot site for the new EPA community relations initiative, the Community Advisory Group (CAG). The CAG provides a setting in which volunteer representatives of the community can get up-to-date information about the status of clean-up activities, as well as discuss community views and concerns about the clean-up process. The EPA and the MDEQ hosted an informational meeting on December 10, 1996 to introduce the concept to the community and evaluate their desire to establish a CAG. Several members of the community participated in this meeting and indicated an interest in the program. They will meet in January and decide on any future activities.

MDEQ staff received the CLP sample results from the industrial sewer investigation in December. The data and its analysis will be reported to EPA in a Technical Memorandum being prepared by the site geologist and project manager. The results of our analysis and the impact on future remedial actions will be discussed with EPA in March 1997.

Expenditures for work under Task 9 will be captured under Task 10.

**Task 10: Proposed Plan**

The North Bronson RI/FS (proposed plan) schedule was revised to reflect the delay caused by the revisions to the FS and the screening of the constructed wetland alternative. The revised schedule will be submitted to the EPA for approval.

**Task 11: Administrative Record**

None.

**Task 12: Draft ROD**

None.

**Task 13: Final ROD**

None.

**Task 14: Post ROD/Closet**

None.

**PLANNED % OF SCHEDULED ACTIVITIES (Task 10) TO BE COMPLETED: 100%**  
**ACTUAL % OF ACTIVITIES COMPLETED: 85%**

**EXPLANATION OF SIGNIFICANT DIFFERENCE: Refer to Task 10 comments.**

**Mullet-Site Cooperative Agreement V005934 North Bronson Industrial Area**

**PLANNED % OF SCHEDULED ACTIVITY (TASK 11) TO BE COMPLETED: 60%**

**ACTUAL % OF ACTIVITY COMPLETED: 60%**

**EXPLANATION OF SIGNIFICANT DIFFERENCE: NA**

**FINANCIAL REPORTING FOR EACH ONGOING TASK**

<b>TASK 10 - PROPOSED PLAN</b>	<u><b>CONTRACTOR</b></u>	<u><b>AGENCY</b></u>
<b>Planned Budget</b>	<b>\$5,000</b>	<b>\$50,000</b>
<b>Estimated Expenditures prior to this quarter:</b>	<b>0</b>	<b>\$60,700</b>
<b>Estimated Expenditures* Quarter 1</b>	<b>\$1,400#</b>	<b>\$13,000</b>
<b>Estimated Expenditures to Date:</b>	<b>\$1,400</b>	<b>\$73,700</b>
<b>ESTIMATED BALANCE:</b>	<b>\$3,600</b>	<b>(\$23,700)</b>

\* Expenditures reported under Task 10 include FS(Task 9) revisions, the wetland alternative review, CAG initiatives and the industrial sewer investigation.

# Contractor invoice attached.

<b>Task 11 - ADMINISTRATIVE RECORD</b>	<u><b>CONTRACTOR</b></u>	<u><b>AGENCY</b></u>
<b>Planned Budget</b>	<b>\$0</b>	<b>\$10,000</b>
<b>Estimated Expenditures prior to this quarter:</b>	<b>\$0</b>	<b>\$ 1,000</b>
<b>Estimated Expenditures Quarter 4</b>	<b>\$0</b>	<b>\$ 0</b>
<b>Estimated Expenditures to Date:</b>	<b>\$0</b>	<b>\$ 1,000</b>
<b>ESTIMATED BALANCE:</b>	<b>\$0</b>	<b>\$ 9,000</b>

**TASKS 1- 11 FINANCIAL REPORTING**

	<u><b>CONTRACTOR 1</b></u>	<u><b>AGENCY</b></u>
<b>PLANNED RI/FS BUDGET:</b>	<b>\$1,200,000</b>	<b>\$240,000</b>
<b>ESTIMATED EXPENDITURES PRIOR TO THIS QR:</b>	<b>\$1,038,000</b>	<b>\$241,200</b>
<b>ESTIMATED EXPENDITURES QUARTER 1</b>	<b>\$ 0</b>	<b>\$ 13,000</b>
<b>ESTIMATED EXPENDITURES TO DATE:</b>	<b>\$1,038,000</b>	<b>\$254,200</b>
	<u><b>CONTRACTOR 2</b></u>	
<b>PLANNED RI/FS BUDGET:</b>	<b>\$ 5,000</b>	
<b>ESTIMATED EXPENDITURES PRIOR TO THIS QR:</b>	<b>\$ 0</b>	
<b>ESTIMATED EXPENDITURES QUARTER 1</b>	<b>\$ 1,340</b>	
<b>ESTIMATED EXPENDITURES TO DATE:</b>	<b>\$ 1,340</b>	
<b>TOTAL ESTIMATED EXPENDITURES TO DATE</b>	<b>\$ 1,039,340</b>	<b>\$(14,200)</b>

**Mullet-Site Cooperative Agreement V005934 North Bronson Industrial Area**

TOTAL FUNDING FOR THIS ACTIVITY (RI/FS): \$ 1,440,000  
TOTAL ESTIMATED EXPENDITURES TO DATE: \$ 1,293,540  
ESTIMATED BALANCE: \$ 146,460

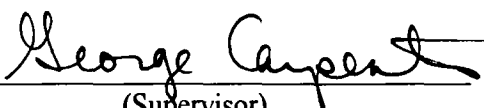
**FUNDS AND TIME REMAINING (BALANCE):** \$146,000 and 6 months.

**ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE REQUIRED WORK:** 6 months and \$150,000. Agency expenditures above the budgeted amounts will be covered by funds remaining in the total budget.

**EXPLANATION OF ANY SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE:**  
Current project end date is 97 June 01. Additional time may be required to complete the review of the wetland alternative and to accommodate the requests of the CAG.

Prepared by   
(Project Manager)

Date 2/10/97

Approved by   
(Supervisor)

Date 2/10/97

Bill  
N9611516MALCOLM PIRNIE, INC.  
ENVIRONMENTAL ENGINEERS, SCIENTISTS & PLANNERSDIRECT LABOR/OVERHEAD & OTHER DIRECT COST INVOICE

DATE: November, 1996

INVOICE NO.: 2420-050-#1

PROJECT NAME: N. BRONSON LAGOON REMEDIATION

COST RECOVERY BREAKDOWN FOR:

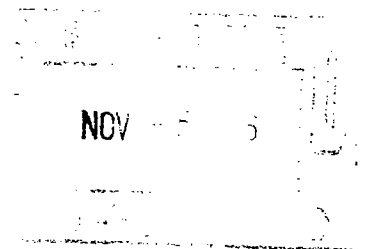
CONTRACT RELEASE NO.:

SERVICE PERIOD: From June 27, 1996 through November 1, 1996, for services provided for Direct Labor and ODCs.

BILL TO: Administration Section  
Environmental Response Division  
Michigan Department of Environmental Quality  
P. O. Box 30426  
Lansing, MI 48909REMIT PAYMENT TO: Malcolm Pirnie Engineers  
102 Corporate Park Drive, Box 751  
White Plains, NY 10602-0751CONTRACT NO.: ERD #9499  
FEDERAL ID NO.COPY TO: William L. Harman  
MDEQ-ERD Superfund  
300 S. Washington Square  
Lansing, MI 48933

TOTAL DIRECT LABOR	\$477.03
OVERHEAD 1.617%	\$771.36
LABOR FEE (10%)	<u>\$124.84</u>
<b>TOTAL LABOR</b>	<b>\$1,373.23</b>

TOTAL OTHER DIRECT COSTS	\$11.34
FEE 10%	<u>\$1.13</u>
<b>TOTAL ODC</b>	<b><u>\$12.47</u></b>

**TOTAL AMOUNT DUE \$1,385.70**CONSULTANT'S CERTIFICATION: I CERTIFY THAT THE SERVICES LISTED ABOVE ARE  
PROPER CHARGES AGAINST THE STATE OF MICHIGAN.  
\_\_\_\_\_  
Certifying Signature of Consultant Staff11/1/96  
Date  
\_\_\_\_\_  
Signature of Prime Consultant's Project Manager11/1/96  
Date

411C WEST LAKE LANSING ROAD

EAST LANSING, MI 48823-1439

517-337-0111

FAX 517-337-0417

SUMMARY OF DIRECT LABOR  
PROJECT NAME: N. BRONSON LAGOON REMEDIATION  
PROJECT NUMBER: 2420-050

LABOR CLASS	EMPLOYEE NAME	SPENT THIS PERIOD			JOB-TO-DATE	
		RATE	HOURS	COST	HOURS	COST
P4			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			0.0	\$0.00	0.0	\$0.00
P3	THRASOS EFTAXIADIS	\$35.55	10.5	\$373.28	10.5	\$373.28
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			10.5	\$373.28	10.5	\$373.28
P2			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			0.0	\$0.00	0.0	\$0.00
P1			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			0.0	\$0.00	0.0	\$0.00
T1			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			0.0	\$0.00	0.0	\$0.00
CL	DARA THOMAS	\$9.50	2.5	\$23.75	2.5	\$23.75
	DARLENE HUFNAGEL	\$16.00	5.0	\$80.00	5.0	\$80.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			7.5	\$103.75	7.5	\$103.75
TOTAL			18.0	\$477.03	18.0	\$477.03

## SUMMARY FOR OTHER DIRECT COSTS

INVOICE NO.: 1

PROJECT: N. BRONSON LAGOON REMEDIATION

PROJECT NUMBER: 2420-050

## TRAVEL

Mileage	\$0.00
Meals	\$0.00
Lodging	\$0.00
Other Travel Exp.	\$0.00

SUBTOTAL	\$0.00
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## EQUIPMENT, MATERIALS &amp; SUPPLIES

Equipment Usage	\$0.00
Supplies	\$0.00
Other Field Services	\$0.00
Trailer & Utilities	\$0.00

SUBTOTAL	\$0.00
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## OTHER

Reproduction	\$6.30
Shipping/Postage	\$5.04
Communications	\$0.00

SUBTOTAL	\$11.34
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## COMPUTER SERVICES

Technical PC Usage	\$0.00
CADD Usage	\$0.00

SUBTOTAL	\$0.00
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## MISCELLANEOUS

_____	\$0.00
_____	\$0.00
_____	\$0.00

SUBTOTAL	\$0.00
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TOTAL AMOUNT DUE	\$11.34
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## DIRECT LABOR BY TASK

PROJECT NAME:

PROJECT NO.

TASK E10

LABOR CLASS	EMPLOYEE NAME	SPENT THIS PERIOD		
		RATE	HOURS	COST
P4			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
P3	THRASOS EFTAXIADIS	\$35.55	0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
P2			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
P1			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
T1			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
CL	DARA THOMAS	\$9.50	0.0	\$0.00
	DARLENE HUFNAGEL	\$16.00	0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
TOTAL			0.0	\$0.00



[illegible]

[illegible]

MALCOLM  
PIRNIE

# TIME SHEET

LANSING - 410

LOCATION

PERIOD  
ENDING

7/26/96

EMPLOYEE  
NO.

3516

NAME  
(PLEASE PRINT)

T.EFTAXIADIS

JOB NAME

JOB NUMBER

CHART OF  
ACCOUNTS  
NUMBER

TOTAL  
HOURS

HOURS WORKED DAILY - BY DAY OF MONTH

20  
SAT

21  
SUN

22  
MON

23  
TUE

24  
WED

25  
THU

26  
FRI

N. Brown contracts

2420-050-610

3.0

1.5

1.5

SIGNATURE

*[Signature]*

[illegible]

[illegible]

MALCOLM  
PIRNIE

# TIME SHEET

LANSING - 410  
LOCATION

PERIOD  
ENDING

EMPLOYEE  
NO.

NAME  
(PLEASE PRINT)

09/27/96

6863

DARLENE E. HUFNAGEL

JOB NAME

JOB NUMBER

126990

CHART OF  
ACCOUNTS  
NUMBER

TOTAL  
HOURS

HOURS WORKED DAILY - BY DAY OF MONTH

09/21  
SAT

09/22  
SUN

09/23  
MON

09/24  
TUE

09/25  
WED

09/26  
THU

09/27  
FRI

Bronson - Project Tracking

2420-050-E10

0.5

Bronson - Project Tracking - Non Billable

2420-050-M00

0.5

0.5

0.5

HOLIDAY - REGULAR

HOLIDAY - OPTIONAL

ABSENCE WITHOUT PAY

VACATION

PERSONAL ILLNESS

TOTAL HOURS

OVERTIME HOURS INCLUDED IN TOTAL HOURS

TO BE COMPLETED BY EMPLOYEE:

CHARGEABLE

APPROVED BY:

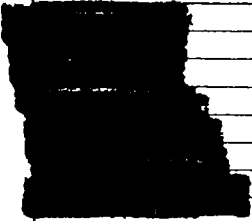
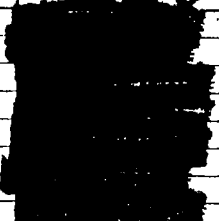

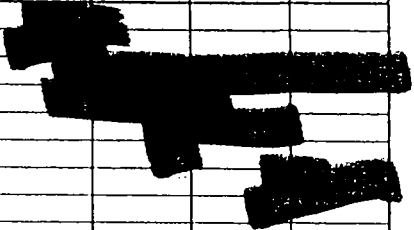



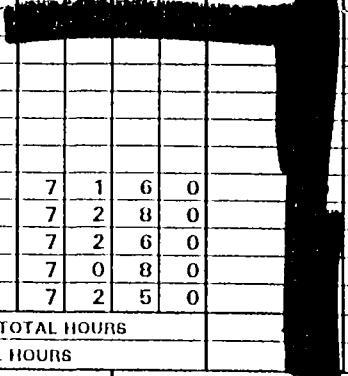


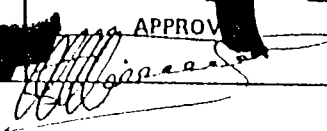
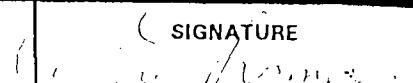
SIGNATURE:

Darlene E. Hufnagel

[illegible]

MALCOLM PIRNIE		TIME SHEET <u>LANSING - 410</u> LOCATION				PERIOD ENDING 10/11/96		EMPLOYEE NO. 6863		NAME (PLEASE PRINT) DARLENE E. HUFNAGEL						
JOB NAME	JOB NUMBER 127029	CHART OF ACCOUNTS NUMBER				TOTAL HOURS	HOURS WORKED DAILY - BY DAY OF MONTH									
							10/05 SAT	10/06 SUN	10/07 MON	10/08 TUE	10/09 WED	10/10 THU	10/11 FRI			
[REDACTED]	[REDACTED]					[REDACTED]										
N. Bronson - Project Tracking/Setup	2420-050-E10					0.5							0.5			
ACCOUNTING		7	1	2	0											
GENERAL ADMINISTRATION - Phones, Copying		7	1	0	0											
GENERAL MARKETING		7	4	3	0											
HUMAN RESOURCES		7	1	3	0											
CONTRACT ADMINISTRATION		7	3	5	0											
HOLIDAY - REGULAR		7	1	6	0											
HOLIDAY - OPTIONAL		7	2	8	0											
ABSENCE WITHOUT PAY		7	2	6	0											
VACATION		7	0	8	0											
PERSONAL ILLNESS		7	2	5	0											
TOTAL HOURS																
OVERTIME HOURS INCLUDED IN TOTAL HOURS																
TO BE COMPLETED BY EMPLOYEE:						APPROVED BY: <i>Darlene E. Hufnagel</i>		SIGNATURE: <i>Darlene E. Hufnagel</i>								
CHARGEABLE																



MALCOLM PIRNIE		TIME SHEET LANSING - 410 LOCATION			PERIOD ENDING	EMPLOYEE NO.	NAME (PLEASE PRINT)							
					7/26/96	7156	Dara Thomas							
JOB NAME		JOB NUMBER	CHART OF ACCOUNTS NUMBER				TOTAL HOURS	HOURS WORKED DAILY - BY DAY OF MONTH						
		126835						7/20 SAT	7/21 SUN	7/22 MON	7/23 TUE	7/24 WED	7/25 THU	7/26 FRI
														
N. Bronson		2420-050-E10					1.0							1
														
														
														
														
HOLIDAY - REGULAR			7	1	6	0								
HOLIDAY - OPTIONAL			7	2	8	0								
ABSENCE WITHOUT PAY			7	2	6	0								
VACATION			7	0	8	0								
PERSONAL ILLNESS			7	2	5	0								
			TOTAL HOURS											
			OVERTIME HOURS INCLUDED IN TOTAL HOURS											
TO BE COMPLETED BY EMPLOYEE:		CHARGEABLE	APPROV					SIGNATURE						
														

MALCOLM PIRNIE		TIME SHEET <u>LANSING - 410</u> LOCATION				PERIOD ENDING  9/20/96		EMPLOYEE NO.  7156		NAME (PLEASE PRINT)  Dara Thomas				
JOB NAME	JOB NUMBER  126980	CHART OF ACCOUNTS NUMBER				TOTAL HOURS	HOURS WORKED DAILY - BY DAY OF MONTH							
							9/14 SAT	9/15 SUN	9/16 MON	9/17 TUE	9/18 WED	9/19 THU	9/20 FRI	
[REDACTED]	[REDACTED]					[REDACTED]								
Bronson	2420-050-E10					0.5						0.5		
[REDACTED]	[REDACTED]					[REDACTED]								
[REDACTED]	[REDACTED]					[REDACTED]								
HOLIDAY - REGULAR		7	1	6	0									
HOLIDAY - OPTIONAL		7	2	8	0									
ABSENCE WITHOUT PAY		7	2	6	0									
VACATION		7	0	8	0									
PERSONAL ILLNESS		7	2	5	0									
TOTAL HOURS														
OVERTIME HOURS INCLUDED IN TOTAL HOURS														
TO BE COMPLETED BY EMPLOYEE:						APPROVAL	SIGNATURE							
[REDACTED]						[REDACTED]	[REDACTED]							

[illegible]

MALCOLM PIRNIE	<b>T I M E   S H E E T</b>						PERIOD  ENDING	EMPLOYEE  NO.	NAME  (PLEASE PRINT)							
	LANSING - 410  LOCATION															
JOB NAME	JOB NUMBER						CHART OF ACCOUNTS NUMBER	TOTAL HOURS	HOURS WORKED DAILY - BY DAY OF MONTH							
	1 2 7 0 1 8								9/28 SAT	9/29 SUN	9/30 MON	10/1 TUE	10/2 WED	10/3 THU	10/4 FRI	
[REDACTED]	[REDACTED]						[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]						[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]						[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]						[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]						[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
N Brønson	2420-050-E10							0.5							0.5	
HOLIDAY - REGULAR							7 1 6 0									
HOLIDAY - OPTIONAL							7 2 8 0									
ABSENCE WITHOUT PAY							7 2 6 0									
VACATION							7 0 8 0									
PERSONAL ILLNESS							7 2 5 0									
TOTAL HOURS																
OVERTIME HOURS INCLUDED IN TOTAL HOURS																

TO BE COMPLETED BY EMPLOYEE:
APPROVAL \_\_\_\_\_
SIGNATURE \_\_\_\_\_

PROJECT NAME: N. BRONSON LAGOON REMEDIATION  
PROJECT NUMBER: 2420-050

PERIOD: JULY THROUGH OCTOBER 1996

TOTAL TRAVEL	\$0.00
TOTAL ODC	\$11.34
TOTAL EXPENSES	\$11.34

\* = EXPENSE REPORTS

Pickup Date: 07/29/96  
Pickup Record No: 950728 8 5

United Parcel Service  
Daily Package Detail Record  
for Common Carrier

3	2420-050-E10-48118	2	1.0	2.52
6121-R KADLEC	WETLAND MANAGEMENT	6995 WESTBOURNE DR	CHELSEA	

\$ 2.52

MALCOLM PIRNIE - LANSING/410

COPY SUMMARY

DATE: Oct. 96

Batch  
# 62633

PROJECT NAME	PROJECT NUMBER	ACCOUNT NUMBER	USER CODE	TOTAL COPIES	AMOUNT
BRONSON	2420-050- E10	5	050	63	6.30

63 copies @ .10 a copy

Pickup Date: 10/07/96  
Pickup Record No: 950728 41 3

United Parcel Service  
Daily Package Detail Record  
for Common Carrier

Package ID Customer #	Reference# Company Name	Dest Code	Zn Address	Wt	Package Chg City	RD
1 6121-WETLAND	2420-050-E10 WETLAND MANAGEMENT	48118	2 6995 WESTBOURNE	1.0	2.52 CHELSEA	

\$2.52



**MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT  
QUARTERLY PROGRESS REPORT  
STATE LEAD SITE**

**Reporting Period:** FY97, Q2

**Site name:** North Bronson Industrial Area (1C)  
**Activity:** RI/FS

**CA #:** V005934-01  
**Budget period ends:** 6/01/97

**WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:  
(PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD, CORRECTIVE MEASURES  
TAKEN OR PLANNED) IDENTIFY BY TASK NAME AND NUMBER:**

Task 5: Phase II Remedial Investigation

Task complete December 1991.

Task 6: Remedial Investigation Report

Task complete July 1993.

Task 7: Baseline Risk Assessment

Task complete July 1993.

Task 8: Alternatives Array

Task complete September 1994.

Task 9: Feasibility Study

To further develop and refine the constructed wetland alternative, MDEQ staff identified three possible treatment scenarios for this alternative. Each scenario is based on the source and amount of contaminated water the constructed wetland would have to treat. Based on this information, Dr. Kadlec has prepared and submitted to the MDEQ a detailed wetland alternative for each scenario. The information provided by Dr. Kadlec includes wetland sizing for each scenario, predicted treatment efficiencies, and construction and O&M costs. This report will be included in the FS addendum and will provide enough information to proceed with a proposed plan.

The MDEQ has sub-contracted Dr. Kadlec through Malcolm Pirnie. MDEQ staff has prepared the Scope of Work and reviewed the deliverables submitted by Dr. Kadlec. Malcolm Pirnie administers the contract. A total of \$10,000 has been budgeted for the development of the wetland alternative.

The EPA has selected the city of Bronson as a pilot site for the Community Advisory Group (CAG). The CAG is an EPA community relations initiative administered by MDEQ. The CAG provides a setting in which volunteer representatives of the community sets there own agenda, gets up-to-date information about the status of clean-up activities, as well as discuss community views and concerns about the clean-up

**Mullet-Site Cooperative Agreement V005934 North Bronson Industrial Area**

process. The CAG has met monthly since the December 10, 1996 introductory meeting,. The MDEQ has participated in all meetings providing an overview of the CERCLA process and site background information .

MDEQ staff received the CLP sample results from the industrial sewer investigation in December. The data has been reviewed and organized into a draft Technical Memorandum by the site geologist. The draft "Tech Memo" will be submitted to EPA in May. Once approved the "Tech Memo" will be incorporated into the RI. The results of our analysis and the impact on future remedial actions will be discussed with EPA in May 1997.

The MDEQ project manager is preparing the final draft of the FS addendum. The FS will be completed in May and forwarded to the EPA for approval.

Expenditures for work under Task 9 will be captured under Task 10.

**Task 10: Proposed Plan**

The North Bronson RI/FS (proposed plan) schedule was revised to reflect the delay caused by the revisions to the FS and the screening of the constructed wetland alternative. The revised schedule will be submitted to the EPA for approval. The release date of the proposed plan for the site is May 30, 1997.

**Task 11: Administrative Record**

None.

**Task 12: Draft ROD**

None.

**Task 13: Final ROD**

None.

**Task 14: Post ROD/Closet**

None.

**PLANNED % OF SCHEDULED ACTIVITIES (Task 10) TO BE COMPLETED: 100%**  
**ACTUAL % OF ACTIVITIES COMPLETED: 85%**

**EXPLANATION OF SIGNIFICANT DIFFERENCE: Refer to Task 10 comments.**

**PLANNED % OF SCHEDULED ACTIVITY (TASK 11) TO BE COMPLETED: 60%**  
**ACTUAL % OF ACTIVITY COMPLETED: 60%**

**Mullet-Site Cooperative Agreement V005934 North Bronson Industrial Area**

**EXPLANATION OF SIGNIFICANT DIFFERENCE: NA  
FINANCIAL REPORTING FOR EACH ONGOING TASK**

<b>TASK 10 - PROPOSED PLAN</b>	<b><u>CONTRACTOR</u></b>	<b><u>AGENCY</u></b>
<b>Planned Budget</b>	\$10,000	\$50,000
<b>Estimated Expenditures prior to this quarter:</b>	\$1,400	\$73,700
<b>Estimated Expenditures* Quarter 2</b>	\$2,353#	\$12,750
<b>Estimated Expenditures to Date:</b>	\$3,753	\$86,450
<b>ESTIMATED BALANCE:</b>	\$6,247	(\$36,450)

\* Expenditures reported under Task 10 include FS(Task 9) revisions, the wetland alternative review, CAG meetings and the industrial sewer investigation.

# Contractor invoice attached.

<b>Task 11 - ADMINISTRATIVE RECORD</b>	<b><u>CONTRACTOR</u></b>	<b><u>AGENCY</u></b>
<b>Planned Budget</b>	\$0	\$10,000
<b>Estimated Expenditures prior to this quarter:</b>	\$0	\$ 1,000
<b>Estimated Expenditures Quarter 2</b>	\$0	\$ 0
<b>Estimated Expenditures to Date:</b>	\$0	\$ 1,000
<b>ESTIMATED BALANCE:</b>	\$0	\$ 9,000

**TASKS 1- 11 FINANCIAL REPORTING**

	<b><u>CONTRACTOR 1</u></b>	<b><u>CONTRACTOR 2</u></b>
<b>PLANNED RI/FS BUDGET:</b>	\$1,200,000	\$ 10,000
<b>ESTIMATED EXPENDITURES PRIOR TO THIS QR:</b>	\$1,038,000	\$ 1,340
<b>ESTIMATED EXPENDITURES QUARTER 2</b>	\$ 0	\$ 2,353
<b>ESTIMATED EXPENDITURES TO DATE:</b>	\$1,038,000	\$ 3,693
<b>ESTIMATED BALANCE:</b>	\$ 162,000	\$ 6,307
	<b><u>AGENCY</u></b>	
<b>PLANNED RI/FS BUDGET:</b>	\$240,000	
<b>ESTIMATED EXPENDITURES PRIOR TO THIS QR:</b>	\$254,000	
<b>ESTIMATED EXPENDITURES QUARTER 2</b>	\$ 12,750	
<b>ESTIMATED EXPENDITURES TO DATE:</b>	\$266,750	
<b>ESTIMATED BALANCE:</b>	\$(26,950)	

**Mullet-Site Cooperative Agreement V005934 North Bronson Industrial Area**

**TOTAL FUNDING FOR THIS ACTIVITY (RI/FS):** \$ 1,440,000  
**TOTAL ESTIMATED EXPENDITURES TO DATE** \$ 1,308,643

**FUNDS AND TIME REMAINING (BALANCE):** \$131,357 and 3 months.

**ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE REQUIRED WORK:** 3 months and \$130,000. Agency expenditures above the budgeted amounts will be covered by funds remaining in the total budget.

**EXPLANATION OF ANY SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE:**  
Current project end date is 97 June 01. Additional time will be required to complete the review of the wetland alternative, to incorporate it into the FS, and to accommodate the CAG.

Prepared by William H. Hannon  
(Project Manager)

Date 5/14/97

Approved by George Carpenter  
(Supervisor)

Date 5/14/97

761V 7001595

**MALCOLM  
PIRNIE**MALCOLM PIRNIE ENGINEERS, LLP  
A MICHIGAN LIMITED LIABILITY PARTNERSHIPMALCOLM PIRNIE, INC.  
ENVIRONMENTAL ENGINEERS, SCIENTISTS & PLANNERSDIRECT LABOR/OVERHEAD & OTHER DIRECT COST INVOICE

DATE: February 14, 1997

INVOICE NO.: 2420-050-#2

PROJECT NAME: N. BRONSON LAGOON REMEDIATION

COST RECOVERY BREAKDOWN FOR:

CONTRACT RELEASE NO.: 761 P 7000146

SERVICE PERIOD: From November 2, 1996 through January 24, 1997, for services provided for Direct Labor and ODCs.

BILL TO: Administration Section  
Environmental Response Division  
Michigan Department of Environmental Quality  
P. O. Box 30426  
Lansing, MI 48909MIT PAYMENT TO: Malcolm Pirnie Engineers  
102 Corporate Park Drive, Box 751  
White Plains, NY 10602-0751  
CONTRACT NO.: ERD #9499  
FEDERAL ID NO. 13-3560452COPY TO: William L. Harman  
MDEQ-ERD Superfund  
300 S. Washington Square  
Lansing, MI 48933

TOTAL DIRECT LABOR	\$53.32
OVERHEAD 1.662%	\$88.62
LABOR FEE (10%)	\$14.19 ✓
NON-BILLABLE LABOR	\$0.00
<b>TOTAL LABOR</b>	<b>\$156.13</b>

TOTAL OTHER DIRECT COSTS	\$1,997.50
FEE 10%	\$199.75 ✓
NON-BILLABLE EXPENSES	\$0.41
<b>TOTAL ODC</b>	<b>\$2,197.25</b>

**TOTAL AMOUNT DUE \$2,353.38 ✓**CONSULTANT'S CERTIFICATION I CERTIFY THAT THE SERVICES LISTED ABOVE ARE  
PROPER CHARGES AGAINST THE STATE OF MICHIGAN

Certifying Signature of Consultant Staff

Date

Signature of Prime Consultant's Project Manager

Date

411-C W LAKE LANSING ROAD

EAST LANSING, MI 48823-1439

517-337-0111

fax 517-337-0147

<http://www.pirnie.com>

X 7001595

## SUMMARY OF DIRECT LABOR

PROJECT NAME: N. BRONSON LAGOON REMEDIATION

PROJECT NUMBER: 2420-050

LABOR CLASS	EMPLOYEE NAME	SPENT THIS PERIOD			JOB-TO-DATE	
		RATE	HOURS	COST	HOURS	COST
P4			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			0.0	\$0.00	0.0	\$0.00
P3	THRASOS EFTAXIADIS	\$35.55	1.5	\$53.32	12.0	\$426.60
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			1.5	<del>\$53.32</del>	12.0	\$426.60
P2			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			0.0	\$0.00	0.0	\$0.00
P1			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			0.0	\$0.00	0.0	\$0.00
T1			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			0.0	\$0.00	0.0	\$0.00
CL	DARA THOMAS	\$9.50	0.0	\$0.00	2.5	\$23.75
	DARLENE HUFNAGEL	\$16.00	0.0	\$0.00	5.0	\$80.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			0.0	\$0.00	0.0	\$0.00
TOTAL			1.5	\$53.32	19.5	\$530.35

SUMMARY FOR OTHER DIRECT COSTS

INVOICE NO.: 2

PROJECT: N. BRONSON LAGOON REMEDIATION

PROJECT NUMBER: 2420 – 050

TRAVEL

Mileage	\$0.00
Meals	\$0.00
Lodging	\$0.00
Other Travel Exp.	\$0.00

SUBTOTAL	\$0.00
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EQUIPMENT, MATERIALS & SUPPLIES

Equipment Usage	\$0.00
Supplies	\$0.00
Other Field Services	\$1,997.50
Trailer & Utilities	\$0.00

SUBTOTAL	\$1,997.50
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OTHER

Reproduction	\$0.00
Shipping/Postage	\$0.00
Communications	\$0.00

SUBTOTAL	\$0.00
----------	--------

COMPUTER SERVICES

Technical PC Usage	\$0.00
CADD Usage	\$0.00

SUBTOTAL	\$0.00
----------	--------

MISCELLANEOUS

	\$0.00
	\$0.00
	\$0.00

SUBTOTAL	\$0.00
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TOTAL AMOUNT DUE	\$1,997.50
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## DIRECT LABOR BY TASK

PROJECT NAME:

PROJECT NO.

TASK E10

LABOR CLASS	EMPLOYEE NAME	SPENT THIS PERIOD		
		RATE	HOURS	COST
P4			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
P3	THRASOS EFTAXIADIS	\$35.55	1.5	\$53.32
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			1.5	\$53.32
P2			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
P1			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
T1			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
CL	DARA THOMAS	\$9.50	0.0	\$0.00
	DARLENE HUFNAGEL	\$16.00	0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
TOTAL			1.5	\$53.32



<b>MALCOLM PIRNIE</b>		<b>TIME SHEET</b> <u>LANSING - 410</u> LOCATION			PERIOD	EMPLOYEE	NAME						
					ENDING	NO.	(PLEASE PRINT)						
					12/06/96	3516	T. Eftaxiadis						
JOB NAME	JOB NUMBER	CHART OF ACCOUNTS NUMBER			TOTAL HOURS	HOURS WORKED DAILY - BY DAY OF MONTH							
						11/30 SAT	12/01 SUN	12/02 MON	12/03 TUE	12/04 WED	12/05 THU	12/06 FRI	
[REDACTED]	127194	[REDACTED]			[REDACTED]								
BRONSON CONTRACT MGMT	2420-050-E10	[REDACTED]			0.5				0.5				
[REDACTED]	[REDACTED]	[REDACTED]			[REDACTED]								
<b>TOTAL HOURS</b>					[REDACTED]								
<b>OVERTIME HOURS INCLUDED IN TOTAL HOURS</b>					[REDACTED]								
					<b>APPROVED BY:</b>	<b>SIGNATURE:</b> [Signature]							

[illegible]

[illegible]

PERIOD NOVEMBER 1996 THROUGH JANUARY 1997

TOTAL TRAVEL	\$0 00
TOTAL ODC	\$1,997 50
TOTAL EXPENSES	\$1,997 50

\* = EXPENSE REPORTS

CHECK	\$1,997 50
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**Wetland Management Services**  
**6995 Westbourne Drive**  
**Chelsea, MI 48118-9527**

**Date:** 11/5/96

**To:** T. Eftaxiadis  
Malcolm Pirnie Engineers  
411C West Lake Lansing Road  
East Lansing, MI 48823

**From:** Robert H. Kadlec

**Project:** North Bronson Treatment Wetlands

**Authorization:** Contract 7/22/96

**Your Project No.:** 2420-050-E10

**Terms:** Net

**Invoice No.** 96-127-01

Through October 31, 1996		
Consultation and Services @ \$125.00/hr		
Feasibility Report 8 hours	\$1,000.00	
TOTAL		\$1,000.00

**Group:** LANSING

**Account:** 6501-0100

**Please Make Checks Payable to:** Robert H. Kadlec

**Project** 2420-05-0 E10

Check ( ) If charge is Non-Billable

**Verified By:** \_\_\_\_\_  
Name Emp #

**Approved By:** T. Eftaxiadis 13516  
Name Emp #

**Amount to Pay** \$ 1000.00

**Voucher Number:** 9658991

**Vendor ID Number:** 36949

**Chec Number:** \_\_\_\_\_

**Wetland Management Services**  
**6995 Westbourne Drive**  
**Chelsea, MI 48118-9527**

**Date:** 12/15/96

**To:** T. Eftaxiadis  
Malcolm Pirnie Engineers  
411C West Lake Lansing Road  
East Lansing, MI 48823

**From:** Robert H. Kadlec

**Project:** North Bronson Treatment Wetlands

**Authorization:** Contract 7/22/96

**Your Project No.:** 2420-050-E10

**Terms:** Net

**Invoice No.** 96-127-02

November 1 through December 15, 1996		
Consultation and Services: 7.5 hours @ \$125.00/hr Report comment review Site visit Planning and review meeting	\$937.50	
Travel expenses  Bronson, MI 12/10/96	\$60.00	
TOTAL		\$997.50

**Please Make Checks Payable to:** Robert H. Kadlec

Authorized by Bill Harmon (1/6/97).  
BH

**MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT  
QUARTERLY PROGRESS REPORT  
STATE LEAD SITE**

**Reporting Period:** FY97, Q3

**Site name:** North Bronson Industrial Area (1C)  
**Activity:** RI/FS

**CA #:** V005934-01  
**Budget period ends:** 6/30/97

**WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:  
(PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD, CORRECTIVE MEASURES  
TAKEN OR PLANNED) IDENTIFY BY TASK NAME AND NUMBER:**

Task 5: Phase II Remedial Investigation  
Task complete December 1991.

Task 6: Remedial Investigation Report  
Task complete July 1993.

Task 7: Baseline Risk Assessment  
Task complete July 1993.

Task 8: Alternatives Array  
Task complete September 1994.

Task 9: Feasibility Study

The MDEQ incorporated the detailed wetland alternative developed by Dr. Kadlec into the FS addendum. The report provided by Dr. Kadlec includes wetland sizing, treatment efficiencies, and construction and O&M costs. The MDEQ submitted a final draft FS addendum to the EPA for final review in June. The final FS addendum should be released to the public in July 1997.

The MDEQ has sub-contracted Dr. Kadlec through Malcolm Pirnie. MDEQ staff has prepared the Scope of Work and reviewed the deliverables submitted by Dr. Kadlec. Malcolm Pirnie administers the contract. The budget for the development of the wetland is \$10,000.

The EPA has selected the city of Bronson as a pilot site for the Community Advisory Group (CAG). The CAG is an EPA community relations initiative administered by MDEQ. The CAG provides a setting in which volunteer representatives of the community sets their own agenda, receives up-to-date information about the status of clean-up activities from the agencies, as well as discuss community views and concerns about the clean-up process. The MDEQ participated in a CAG meeting on April 29, 1997, to provide the group an update on the potential remedy for the site.

**Mullet-Site Cooperative Agreement V005934 North Bronson Industrial Area**

MDEQ staff received the CLP sample results from the industrial sewer investigation in December. The site geologist reviewed and organized the data into a draft Technical Memorandum. The MDEQ project manager will review the draft "Tech Memo" in August and submit it to EPA for review in September. Once approved, the agencies will incorporate the "Tech Memo" into the RI.

Task 9 expenditures will be reported under Task 10.

**Task 10: Proposed Plan**

The MDEQ project manager has prepared the first draft of the Proposed Plan for review by the EPA. The North Bronson RI/FS (proposed plan) schedule was revised to reflect the delay caused by the revisions to the FS and the screening of the constructed wetland alternative. The revised schedule has been approved by the EPA. The release date of the proposed plan is August 6, 1997.

**Task 11: Administrative Record**

A draft of the administrative record is complete. The final AR will be promulgated with the release of the proposed plan.

**Task 12: Draft ROD**

The draft ROD will be developed after the close of the proposed plan public comment period..

**Task 13: Final ROD**

None.

**Task 14: Post ROD/Closet**

None.

**PLANNED % OF SCHEDULED ACTIVITIES (Task 10) TO BE COMPLETED: 100%**

**ACTUAL % OF ACTIVITIES COMPLETED: 95%**

**EXPLANATION OF SIGNIFICANT DIFFERENCE: Refer to Task 10 comments.**

**PLANNED % OF SCHEDULED ACTIVITY (TASK 11) TO BE COMPLETED: 90%**

**ACTUAL % OF ACTIVITY COMPLETED: 90%**

**PLANNED % OF SCHEDULED ACTIVITY (TASK 12) TO BE COMPLETED: 75**

**ACTUAL % OF ACTIVITY COMPLETED: 75%**

**EXPLANATION OF SIGNIFICANT DIFFERENCE: NA**

**FINANCIAL REPORTING FOR EACH ONGOING TASK**



**Mullet-Site Cooperative Agreement V005934 North Bronson Industrial Area**

<b>TASK 10 - PROPOSED PLAN</b>	<b><u>CONTRACTOR</u></b>	<b><u>AGENCY</u></b>
<b>Planned Budget</b>	\$10,000	\$50,000
<b>Estimated Expenditures</b> prior to this quarter:	\$3,753	\$86,450
<b>Estimated Expenditures*</b> Quarter 3	\$2,944#	\$ 7,000
<b>Estimated Expenditures</b> to Date:	\$6,697	\$93,450
<b>ESTIMATED BALANCE:</b>	\$3,303	(\$43,450)

\* Expenditures reported under Task 10 include FS(Task 9) revisions, the wetland alternative review, CAG meetings and the industrial sewer investigation.

# Contractor invoices are attached

<b>Task 11 - ADMINISTRATIVE RECORD</b>	<b><u>CONTRACTOR</u></b>	<b><u>AGENCY</u></b>
<b>Planned Budget</b>	\$0	\$10,000
<b>Estimated Expenditures</b> prior to this quarter:	\$0	\$ 1,000
<b>Estimated Expenditures</b> Quarter 3	\$0	\$ 1,000
<b>Estimated Expenditures</b> to Date:	\$0	\$ 2,000
<b>ESTIMATED BALANCE:</b>	\$0	\$ 8,000

<b>Task 12 - DRAFT ROD</b>	<b><u>CONTRACTOR</u></b>	<b><u>AGENCY</u></b>
<b>Planned Budget</b>	\$0	\$20,000
<b>Estimated Expenditures</b> prior to this quarter:	\$0	\$ 0
<b>Estimated Expenditures</b> Quarter 3	\$0	\$ 2,000
<b>Estimated Expenditures</b> to Date:	\$0	\$ 2,000
<b>ESTIMATED BALANCE</b>		\$18,000

**TASKS 1- 12 FINANCIAL REPORTING**

	<b><u>CONTRACTOR 1</u></b>	<b><u>CONTRACTOR 2</u></b>
<b>PLANNED RI/FS BUDGET:</b>	\$1,200,000	\$ 10,000
<b>ESTIMATED EXPENDITURES PRIOR TO THIS QR:</b>	\$1,038,000	\$ 3,693
<b>ESTIMATED EXPENDITURES QUARTER 3</b>	\$ 0	\$ 2,944
<b>ESTIMATED EXPENDITURES TO DATE:</b>	\$1,038,000	\$ 6,637
<b>ESTIMATED BALANCE:</b>	\$ 162,000	\$ 3,363

Mullet-Site Cooperative Agreement V005934 North Bronson Industrial Area

	<u>AGENCY</u>
PLANNED RI/FS BUDGET:	\$240,000
ESTIMATED EXPENDITURES PRIOR TO THIS QR:	\$266,750
ESTIMATED EXPENDITURES QUARTER 3	\$ 10,000
ESTIMATED EXPENDITURES TO DATE:	\$276,750
 ESTIMATED BALANCE:	 \$(36,950)

TOTAL FUNDING FOR THIS ACTIVITY (RI/FS):	\$ 1,440,000
TOTAL ESTIMATED EXPENDITURES TO DATE:	\$ 1,321,587

FUNDS AND TIME REMAINING (BALANCE): \$118,357 and 15 months.

ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE REQUIRED WORK: 15 months and \$118,000. Agency expenditures above the budgeted amounts will be covered by funds remaining in the total budget.

EXPLANATION OF ANY SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE: A The MDEQ has requested an extension of the current project end date of 97 June 30 to 98 September 30. The MDEQ will require additional time to complete the review of the wetland alternative, complete the FS addendum, accommodate the requests of the CAG and potentially to investigate a remedy for the industrial sewer.

Prepared by William Harmon  
(Project Manager)

Date 8/12/97

Approved by Pat Crabb  
(Supervisor)

Date 8/12/97

**MALCOLM  
PIRNIE**

MALCOLM PIRNIE, INC.  
ENVIRONMENTAL ENGINEERS, SCIENTISTS & PLANNERS

DIRECT LABOR/OVERHEAD & OTHER DIRECT COST INVOICE

DATE: May 23, 1997

INVOICE NO.: 2420-050-#4

PROJECT NAME: N. BRONSON LAGOON REMEDIATION

COST RECOVERY BREAKDOWN FOR:

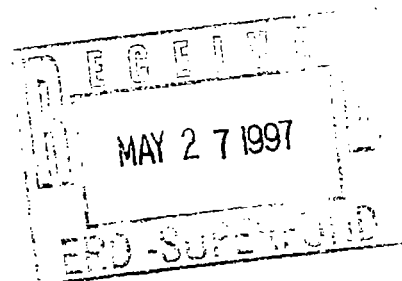
CONTRACT RELEASE NO.: 761 P 7000146

SERVICE PERIOD: From March 29, 1997 through April 25, 1997, for services provided for Direct Labor and ODCs.

BILL TO: Administration Section  
Environmental Response Division  
Michigan Department of Environmental Quality  
P. O. Box 30426  
Lansing, MI 48909

REMIT PAYMENT TO: Malcolm Pirnie Engineers  
102 Corporate Park Drive, Box 751  
White Plains, NY 10602-0751

CONTRACT NO.: ERD #9499  
FEDERAL ID NO. 13-3560452



COPY TO: William L. Harman  
MDEQ-ERD Superfund  
300 S. Washington Square  
Lansing, MI 48933

TOTAL DIRECT LABOR	\$121.13
OVERHEAD 1.662%	\$201.32
LABOR FEE (10%)	\$32.24
NON-BILLABLE LABOR	\$14.64

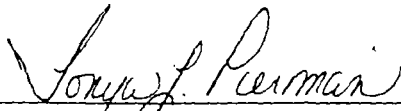
TOTAL LABOR \$354.69

TOTAL OTHER DIRECT COSTS	\$2,002.40
FEE 10%	\$200.24
NON-BILLABLE EXPENSES	\$0.00

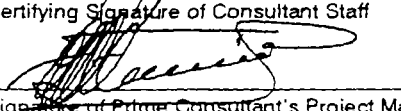
TOTAL ODC \$2,202.64

TOTAL AMOUNT DUE \$2,557.33

CONSULTANT'S CERTIFICATION: I CERTIFY THAT THE SERVICES LISTED ABOVE ARE  
PROPER CHARGES AGAINST THE STATE OF MICHIGAN.

  
Certifying Signature of Consultant Staff

5/23/97  
Date

  
Signature of Prime Consultant's Project Manager

5/19/97  
Date

## SUMMARY OF DIRECT LABOR

PROJECT NAME: N. BRONSON LAGOON REMEDIATION

PROJECT NUMBER: 2420-050

LABOR CLASS	EMPLOYEE NAME	SPENT THIS PERIOD			JOB-TO-DATE	
		RATE	HOURS	COST	HOURS	COST
P4			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			0.0	\$0.00	0.0	\$0.00
P3	THRASOS EFTAXIADIS	\$36.00	2.5	\$90.00	17.5	\$623.25
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			2.5	\$90.00	17.5	\$623.25
P2			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			0.0	\$0.00	0.0	\$0.00
P1			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			0.0	\$0.00	0.0	\$0.00
T1			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			0.0	\$0.00	0.0	\$0.00
CL	DARA THOMAS	\$10.26	0.5	\$5.13	3.0	\$28.88
	DARLENE HUFNAGEL	\$16.00	1.0	\$16.00	7.5	\$120.00
	TONYA PIERMAN	\$10.00	1.0	\$10.00	1.0	\$10.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
			0.0	\$0.00	0.0	\$0.00
SUBTOTAL			2.5	\$31.13	11.5	\$158.88
TOTAL			5.0	\$121.13	29.0	\$782.13

## SUMMARY FOR OTHER DIRECT COSTS

INVOICE NO.: 4

PROJECT: N. BRONSON LAGOON REMEDIATION

PROJECT NUMBER: 2420-050

## TRAVEL

Mileage	\$0.00
Meals	\$0.00
Lodging	\$0.00
Other Travel Exp.	\$0.00

SUBTOTAL	\$0.00
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## EQUIPMENT, MATERIALS &amp; SUPPLIES

Equipment Usage	\$0.00
Supplies	\$0.00
Other Field Services	\$2,000.00
Trailer & Utilities	\$0.00

SUBTOTAL	\$2,000.00
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## OTHER

Reproduction	\$2.40
Shipping/Postage	\$0.00
Communications	\$0.00

SUBTOTAL	\$2.40
----------	--------

## COMPUTER SERVICES

Technical PC Usage	\$0.00
CADD Usage	\$0.00

SUBTOTAL	\$0.00
----------	--------

## MISCELLANEOUS

	\$0.00
	\$0.00
	\$0.00

SUBTOTAL	\$0.00
----------	--------

TOTAL AMOUNT DUE	\$2,002.40
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## DIRECT LABOR BY TASK

PROJECT NAME: N. BRONSON LAGOON REMEDIATION

PROJECT NO. 2420-050

TASK E20

LABOR CLASS	EMPLOYEE NAME	SPENT THIS PERIOD		
		RATE	HOURS	COST
P4			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
P3	THRASOS EFTAXIADIS	\$36.00	2.5	\$90.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			2.5	\$90.00
P2			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
P1			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
T1			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
CL	DARA THOMAS	\$10.26	0.0	\$0.00
	DARLENE HUFNAGEL	\$16.00	0.0	\$0.00
	TONYA PIERMAN	\$10.00	1.0	\$10.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			1.0	\$10.00
TOTAL			3.5	\$100.00

## DIRECT LABOR BY TASK

PROJECT NAME: N. BRONSON LAGOON REMEDIATION

PROJECT NO. 2420-050

TASK E30

LABOR CLASS	EMPLOYEE NAME	SPENT THIS PERIOD		
		RATE	HOURS	COST
P4			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
P3	THRASOS EFTAXIADIS	\$36.00	0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
P2			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
P1			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
T1			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
CL	DARA THOMAS	\$10.26	0.5	\$5.13
	DARLENE HUFNAGEL	\$16.00	1.0	\$16.00
	TONYA PIERMAN	\$10.00	0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			1.5	\$21.13
TOTAL			1.5	\$21.13

MALCOLM PIRNIE

TIME SHEET

EFTAXIADIS, THRASOS

NAME

LAN

LOCATION

3516

EMPLOYEE NUMBER

04/04/97

WEEK ENDING

CLIENT OR DESCRIPTION

JOB NUMBER

ACC

TOTAL

03/29

03/30

03/31

04/01

04/02

04/03

04/04

PROJECT

TASK

NUM

HOURS

SAT

SUN

MON

TUE

WED

THU

FRI

[REDACTED]

[REDACTED]

[REDACTED]

11 [REDACTED]

[REDACTED]

[REDACTED]

14 N.BRONSON LAGOON REMEDIATION

✓

2420050

E20

6000

2.0

1.5

0.5

[REDACTED]

[REDACTED]

[REDACTED]

Continued on the next page.  
APPROVED/REVIEWED BY

Continued on the next page.  
SIGNATURE





UFNAGEL, DARLENE  
NAME

NAME \_\_\_\_\_

LAN  
LOCATION

6863  
EMPLOYEE NUMBER

04/04/97

WEEK ENDING

CLIENT OR DESCRIPTION

[illegible]

APPROVED/REVIEWED BY

SIGNATURE

PIRNIE

PIERMAN, TONYA

NAME

LAN

LOCATION

7464

EMPLOYEE NUMBER

04/04/97

WEEK ENDING

CLIENT OR DESCRIPTION

JOB NUMBER

ACC

TOTAL

03/29

03/30

03/31

04/01

04/02

04/03

04/04

PROJECT

TASK

NUM

HOURS

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TUE

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30 N.BRONSON LAGOON REMEDIATION X

2420050

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DRAFT COPY

APPROVED/REVIEWED BY

SIGNATURE

Tonya J. Pierman

REV 8/96 (ETS 1.2c)

Page 2

# WALCOLM TIME SHEET PIRNIE

PIERMAN, TONYA

NAME

LAN

LOCATION

7464

EMPLOYEE NUMBER

04/11/97

WEEK ENDING

CLIENT OR DESCRIPTION

JOB NUMBER

ACC

TOTAL

04/05

04/06

04/07

04/08

04/09

04/10

04/11

PROJECT

TASK

NUM

HOURS

SAT

SUN

MON

TUE

WED

THU

FRI

1 N.BRONSON LAGOON REMEDIATION

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2 N.BRONSON LAGOON REMEDIATION

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REV 8/96 (ETS 1.2c)

Page 2

MALCOLM PIRNIE

TIME SHEET

THOMPSON, DARA

NAME

LAN  
LOCATION

7156  
EMPLOYEE NUMBER

04/04/97

WEEK ENDING

CLIENT OR DESCRIPTION

JOB NUMBER

ACC  
NUM

TOTAL  
HOURS

03/29  
SAT

03/30  
SUN

03/31  
MON

04/01  
TUE

04/02  
WED

04/03  
THU

04/04  
FRI

PROJECT

TASK

[REDACTED]

[REDACTED]

[REDACTED]

16 N.BRONSON LAGOON REMEDIATION

2420050

E30

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0.5

0.5

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

APPROVED/REVIEWED BY

SIGNATURE

REV 8/96 (ETS 1.2c)

Page 1

PROJECT NAME: N. BRONSON LAGOON REMEDIATION

**TASK NO: E30**

PERIOD: APRIL 1997

[illegible]

TOTAL TRAVEL	\$0.00
TOTAL ODC	\$2,002.40
TOTAL EXPENSES	\$2,002.40

\* = EXPENSE REPORTS

Batch  
#

MALCOLM PIRNIE - LANSING/410

COPY SUMMARY

DATE: April 97

PROJECT NAME	PROJECT NUMBER	ACCOUNT NUMBER	USER CODE	TOTAL COPIES	AMOUNT
BRONSON P	2420-050- E30	5	050	24	2.40

**Wetland Management Services  
6995 Westbourne Drive  
Chelsea, MI 48118-9527**

**Date:** 4/19/97

**To:** T. Eftaxiadis  
Malcolm Pirnie Engineers  
411C West Lake Lansing Road  
East Lansing, MI 48823

**From:** Robert H. Kadlec

**Project:** North Bronson Treatment Wetlands

**Authorization:** Contract 4/2/97

**Your Project No.:** 2420-050-E30

**Terms:** Net

**Invoice No.** 97-127-01

March 1 through March 31, 1997		
Consultation and Services: 16 hours @ \$125.00/hr Conceptual design		\$2,000.00
TOTAL		\$2,000.00

**Group:** LANSING

**Please Make Checks Payable to:** Robert H. Kadlec

**Account:** 6251

**Project:** 2420-05-0E30

Check ( ) if charge is Non-Billable

**Verified By:** \_\_\_\_\_  
Name Emp #

**Approved By:** T. Eftaxiadis 13516  
Name Emp #

**Amount to Pay** \$ 2000.00

**Voucher Number:** 9722922

**Vendor ID Number:** 30949

**Check Number:** 4016



## Wetland Management Services

6995 Westbourne Drive  
Chelsea, Michigan 48118-9527

Phone: 313-475-7256, Fax: 313-475-3516

April 19, 1997

T. Eftaxiadis  
Malcolm Pirnie Engineers  
411C West Lake Lansing Road  
East Lansing, MI 48823

Dear Mr. Eftaxiadis:

Enclosed is an invoice covering the preparation of a draft conceptual design report for the best current alternative for constructed wetlands treatment of the contaminated waters at the North Bronson sites.

This invoice does not necessarily cover the completion of expenditures under the current authorization. A review meeting is contemplated; Bill Harmon will make decisions about the need for and timing of such a meeting.

Sincerely yours,



Robert H. Kadlec  
PhD, P.E.

RECEIVED

APR 22 1997

MALCOLM PIRNIE, INC.  
LANSING, MI



MALCOLM PIRNIE ENGINEERS, LLP  
A MICHIGAN LIMITED LIABILITY PARTNERSHIP

MALCOLM PIRNIE, INC.  
ENVIRONMENTAL ENGINEERS, SCIENTISTS & PLANNERS

DIRECT LABOR/OVERHEAD & OTHER DIRECT COST INVOICE

DATE: April 25, 1997

INVOICE NO.: 2420-050-#3

PROJECT NAME: N. BRONSON LAGOON REMEDIATION

COST RECOVERY BREAKDOWN FOR:

CONTRACT RELEASE NO.: 761 P 7000146

SERVICE PERIOD: From January 25, 1997 through March 28, 1997, for services provided for Direct Labor and ODCs.

BILL TO: Administration Section  
Environmental Response Division  
Michigan Department of Environmental Quality  
P. O. Box 30426  
Lansing, MI 48909

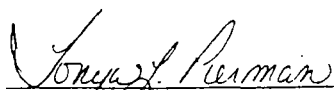
REMIT PAYMENT TO: Malcolm Pirnie Engineers  
102 Corporate Park Drive, Box 751  
White Plains, NY 10602-0751

CONTRACT NO.: ERD #9499  
FEDERAL ID NO. 13-3560452


COPY TO: William L. Harman  
MDEQ-ERD Superfund  
300 S. Washington Square  
Lansing, MI 48933

TOTAL DIRECT LABOR	\$130.65
OVERHEAD 1.662%	\$217.14
LABOR FEE (10%)	\$34.78
NON-BILLABLE LABOR	\$14.64
<b>TOTAL LABOR</b>	<b>\$382.57</b>
 TOTAL OTHER DIRECT COSTS	 \$3.27
FEE 10%	\$0.33
NON-BILLABLE EXPENSES	\$0.00
<b>TOTAL ODC</b>	<b>\$3.60</b>
 <b>TOTAL AMOUNT DUE</b>	 <b>\$386.17</b>

CONSULTANT'S CERTIFICATION: I CERTIFY THAT THE SERVICES LISTED ABOVE ARE  
PROPER CHARGES AGAINST THE STATE OF MICHIGAN.

  
Certifying Signature of Consultant Staff

4/25/97  
Date

  
Signature of Project Manager

4/23/97  
Date  
fax 517-337-0417 <http://www.pirnie.com>

1000 EAST LANSING, MI 48823-1900

## SUMMARY FOR OTHER DIRECT COSTS

INVOICE NO.: 3

PROJECT: N. BRONSON LAGOON REMEDIATION

PROJECT NUMBER: 2420-050

## TRAVEL

Mileage	\$0.00
Meals	\$0.00
Lodging	\$0.00
Other Travel Exp.	\$0.00

SUBTOTAL	\$0.00
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## EQUIPMENT, MATERIALS &amp; SUPPLIES

Equipment Usage	\$0.00
Supplies	\$0.00
Other Field Services	\$0.00
Trailer & Utilities	\$0.00

SUBTOTAL	\$0.00
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## OTHER

Reproduction	\$0.00
Shipping/Postage	\$3.27
Communications	\$0.00

SUBTOTAL	\$3.27
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## COMPUTER SERVICES

Technical PC Usage	\$0.00
CADD Usage	\$0.00

SUBTOTAL	\$0.00
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## MISCELLANEOUS

_____	\$0.00
_____	\$0.00
_____	\$0.00

SUBTOTAL	\$0.00
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TOTAL AMOUNT DUE

\$3.27

## DIRECT LABOR BY TASK

PROJECT NAME: N. BRONSON LAGOON REMEDIATION

PROJECT NO. 2420-050

TASK E10

LABOR CLASS	EMPLOYEE NAME	SPENT THIS PERIOD		
		RATE	HOURS	COST
P4			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
P3	THRASOS EFTAXIADIS	\$35.55	1.0	\$35.55
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			1.0	\$35.55
P2			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
P1			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
T1			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
CL	DARA THOMAS	\$9.50	0.0	\$0.00
	DARLENE HUFNAGEL	\$16.00	1.5	\$24.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			1.5	\$24.00
TOTAL			2.5	\$59.55

## DIRECT LABOR BY TASK

PROJECT NAME: N. BRONSON LAGOON REMEDIATION

PROJECT NO. 2420-050

TASK E20

LABOR CLASS	EMPLOYEE NAME	SPENT THIS PERIOD		
		RATE	HOURS	COST
P4			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
P3	THRASOS EFTAXIADIS	\$35.55	2.0	\$71.10
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			2.0	\$71.10
P2			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
P1			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
T1			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
CL	DARA THOMAS	\$9.50	0.0	\$0.00
	DARLENE HUFNAGEL	\$16.00	0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
			0.0	\$0.00
SUBTOTAL			0.0	\$0.00
TOTAL			2.0	\$71.10

[illegible]

MALCOLM  
PIRNIE

# TIME SHEET

LANSING - 410  
LOCATION

PERIOD  
ENDING

EMPLOYEE  
NO.

NAME  
(PLEASE PRINT)

02/28/97

3516

T. Eftaxiadis

JOB NAME

JOB NUMBER

CHART OF  
ACCOUNTS  
NUMBER

TOTAL  
HOURS

HOURS WORKED DAILY - BY DAY OF MONTH

02/22 SAT	02/23 SUN	02/24 MON	02/25 TUE	02/26 WED	02/27 THU	02/28 FRI
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BRONSON

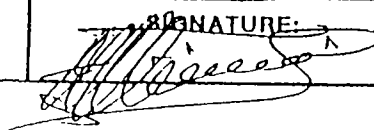
2420-050-E10

0.5

0.5

APPROVED BY:

SIGNATURE:



[illegible]



[illegible]

UFNAGEL, DARLENE  
NAME

LAN  
LOCATION

6863  
EMPLOYEE NUMBER

03/28/97  
WEEK ENDING

Continued on the next page.  
APPROVED/REVIEWED BY \_\_\_\_\_

Continued on the next page.

## EXPENSE WORKSHEET

PROJECT NAME: N. BRONSON LAGOON REMEDIATION

PROJECT NUMBER: 2420-050

**TASK NO: E10**

PERIOD: FEBRUARY 1997 THROUGH MARCH 1997

[illegible]

TOTAL TRAVEL	\$0.00
TOTAL ODC	\$3.27
TOTAL EXPENSES	\$3.27

\* = EXPENSE REPORTS

United Parcel Service  
Daily Package Detail Record  
for Common Carrier

Pickup Date: 03/04/97  
Pickup Record No: 950728 46 1

Package ID	Reference#	Dest Code	Zn	Wt	Package Chg	RD
Customer #	Company Name		Address		City	
4	2420-050- <i>E10</i> 48933		2	1.0	3.27	
6121-B HARMON	MDEQ-ERD, SPECIAL		300 S. WASHINGTON		LANSING	

**MICHIGAN SUPERFUND SITE COOPERATIVE AGREEMENT  
QUARTERLY PROGRESS REPORT  
STATE LEAD SITE**

**Reporting Period:** FY97, Q4

**Site name:** North Bronson Industrial Area (1C)  
**Activity:** RI/FS

**CA #:** V005934-01  
**Budget period ends:** 6/30/97

**WORK ACCOMPLISHED DURING REPORTING PERIOD FOR THIS SITE AND ACTIVITY:**  
(PROBLEMS AND DELAYS ENCOUNTERED THIS PERIOD, CORRECTIVE MEASURES  
TAKEN OR PLANNED) **IDENTIFY BY TASK NAME AND NUMBER:**

Task 5: Phase II Remedial Investigation  
Task complete December 1991.

Task 6: Remedial Investigation Report  
Task complete July 1993.

Task 7: Baseline Risk Assessment  
Task complete July 1993.

Task 8: Alternatives Array  
Task complete September 1994.

Task 9: Feasibility Study  
Task complete July 15, 1997.

Task 10: Proposed Plan  
The MDEQ developed, produced and released the proposed plan to the public on August 6, 1997. The MDEQ held a proposed plan public meeting in the city of Bronson on August 19, 1997. Alan Waltz and Heather Nelson represented the EPA at the meeting.

Task 11: Administrative Record

The MDEQ completed the AR. The AR is available for public review at the Bronson public library.

Task 12: Draft ROD  
Task Complete. Final comments on the proposed plan were received by MDEQ on September 8, 1997. The MDEQ completed the draft ROD and Responsiveness Summary September 30, 1997.

Task 13: Final ROD: Work in progress. The ROD is scheduled to be completed during the first quarter of FY 98.

Task 14: Post ROD/Closet: None.

**PLANNED % OF SCHEDULED ACTIVITIES (Task 10) TO BE COMPLETED:** 100%

**ACTUAL % OF ACTIVITIES COMPLETED:** 100%

**PLANNED % OF SCHEDULED ACTIVITY (TASK 11) TO BE COMPLETED:** 100%

**ACTUAL % OF ACTIVITY COMPLETED:** 100%

**PLANNED % OF SCHEDULED ACTIVITY (TASK 12) TO BE COMPLETED:** \$100

**ACTUAL % OF ACTIVITY COMPLETED:** 100%

EXPLANATION OF SIGNIFICANT DIFFERENCE: NA

#### FINANCIAL REPORTING FOR EACH ONGOING TASK

TASK 10 - PROPOSED PLAN	<u>CONTRACTOR</u>	<u>AGENCY</u>
• Planned <b>Budget</b>	\$10,000	\$50,000
• Estimated <b>Expenditures</b> prior to this quarter:	\$6,697	\$93,450
• Estimated <b>Expenditures</b> Quarter 4	\$0	\$9,800*
• Estimated <b>Expenditures</b> to Date:	\$6,697	\$103,250
ESTIMATED <b>BALANCE:</b>	\$2,503	(\$53,250)

\*Agency expenditures under this task include revisions to the FS.

Task 11 - ADMINISTRATIVE RECORD	<u>CONTRACTOR</u>	<u>AGENCY</u>
• Planned <b>Budget</b>	\$0	\$10,000
• Estimated <b>Expenditures</b> prior to this quarter:	\$0	\$ 2,000
• Estimated <b>Expenditures</b> Quarter 4	\$0	\$ 2,000
• Estimated <b>Expenditures</b> to Date:	\$0	\$ 4,000
ESTIMATED <b>BALANCE:</b>	\$0	\$ 6,000

Task 12 - DRAFT ROD	<u>CONTRACTOR</u>	<u>AGENCY</u>
• Planned <b>Budget</b>	\$0	\$20,000
• Estimated <b>Expenditures</b> prior to this quarter:	\$0	\$ 2,000
• Estimated <b>Expenditures</b> Quarter 4	\$0	\$ 11,000
• Estimated <b>Expenditures</b> to Date:	\$0	\$ 13,000
ESTIMATED <b>BALANCE</b>		\$ 7,000

**TASKS 1- 12 FINANCIAL REPORTING**

<u>CONTRACTORS</u>	<u>CONTRACTOR 1</u>	<u>CONTRACTOR 2</u>
• PLANNED RI/FS BUDGET:	\$1,200,000	\$10,000
• PREVIOUS ESTIMATED EXPENDITURES:	\$1,038,000	\$4,000
• ESTIMATED EXPENDITURES QUARTER 4	\$0	\$0
ESTIMATED EXPENDITURES TO DATE:	\$1,038,000	\$7,000
• ESTIMATED BALANCE	\$162,000	\$3,000

<u>AGENCY</u>	
• PLANNED RI/FS BUDGET:	\$240,000
• PREVIOUS ESTIMATED EXPENDITURES:	\$277,000
• ESTIMATED EXPENDITURES QUARTER 4	\$ 23,000
ESTIMATED EXPENDITURES TO DATE:	\$300,000
• ESTIMATED BALANCE:	\$(60,000)

**TOTAL FUNDING FOR THIS ACTIVITY (RI/FS):** \$ 1,440,000  
**TOTAL ESTIMATED EXPENDITURES TO DATE:** \$ 1,345,000

**FUNDS AND TIME REMAINING (BALANCE):** \$95,000 and 12 months.

**ESTIMATED TIME AND FUNDS NEEDED TO COMPLETE REQUIRED WORK:** 12 months and \$95,000. Agency expenditures above budgeted amounts will be covered by funds remaining in the total budget.

**EXPLANATION OF ANY SIGNIFICANT DISCREPANCY/JUSTIFICATION FOR INCREASE:** None

Prepared by William H. Garner  
(Project Manager)

Date 11/14/97

Approved by George Carpenter  
(Supervisor)

Date 11/14/97